CLAIM AMENDMENTS

Please amend claims 1, 16, and 21 as follows:

1. (Currently Amended) A therapy device comprising:

a hyperbaric chamber adapted to expose at least a target tissue area of a patient to a hyperbaric environment;

a laser light therapy device positioned outside of the hyperbaric chamber and adapted to expose the target tissue area of the patient to one or more doses of light energy while the target tissue area is within the hyperbaric chamber; [[and]]

an imaging system adapted to image the target area; and

a targeting mechanism configured to allow positioning of the light energy on the target area.

2. (Previously Presented) The therapy device of claim 1 wherein the light therapy device comprises a laser adapted to emit radiation having wavelengths within the range from about 350 to about 880 nanometers.

3. (Previously Presented) The therapy device of claim 1 further comprising one or more controllers adapted to control the hyperbaric chamber and the laser light therapy device so as to expose the target tissue area to one or more doses of light therapy and one or more doses of hyperbaric therapy.

4. (Previously Presented) The therapy device of claim 3 wherein the hyperbaric chamber and the laser light therapy device are adapted to allow at least a portion of the light therapy and hyperbaric therapy to be performed simultaneously.

5. (Previously Presented) The therapy device of claim 3 wherein the hyperbaric chamber and the laser light therapy device are

adapted to allow the light therapy and hyperbaric therapy to be performed sequentially.

6. (Previously Presented) A light and hyperbaric therapy device comprising:

a hyperbaric chamber; and

a light therapy device comprising:

an LED array disposed within the hyperbaric chamber;

a power source coupled to the LED array;

a user device coupled to the power source; and

at least one of a position adjustment mechanism, a camera and a targeting mechanism;

wherein the light therapy device is adapted to:

emit one or more different wavelengths at a target area positioned within the hyperbaric chamber; and

at least one of:

(a) view the target area, and

(b) allow light beams emitted from the LED array to be repeatably positioned on the target area.

7. (Original) The light and hyperbaric therapy device of claim 6 wherein the light therapy device is further adapted to allow a user to specify at least one of amplitude, frequency, duty cycle and duration of one or more power signals applied to the LED array by the power source.

8. (Previously Presented) The light and hyperbaric therapy device of claim 6 wherein the light therapy device is further adapted to control one or more of the at least one of a position adjustment mechanism, a camera and a targeting mechanism.

9. (Original) The light and hyperbaric therapy device of claim 6 further comprising one or more focusing devices for focusing light emitted from the LED array onto the target area.

10. (Previously Presented) The light and hyperbaric therapy device of claim 6 further comprising:

a pressure proof housing enclosing the LED array;

a gas supply line coupled to the pressure proof housing and adapted to supply gas to the LED array; and

a vent line coupled to the pressure proof housing and adapted to remove gas from the pressure proof housing.

11. (Original) The light and hyperbaric therapy device of claim 6 wherein the power source is external to the hyperbaric chamber.

12. (Previously Presented) A method for light and hyperbaric therapy comprising:

positioning a light therapy device within a hyperbaric chamber relative to a target area located within the hyperbaric chamber;

selecting at least one wavelength and dosage of light therapy;

filling the hyperbaric chamber with gas to establish a desired pressure within the hyperbaric chamber; and

irradiating the target area with the at least one selected wavelength and dosage of light therapy.

13. (Canceled).

14. (Original) The method of claim 12 wherein selecting at least one wavelength and dosage of light therapy comprises selecting

at least one wavelength of light having a wavelength within a range from about 350 to about 880 nanometers.

15. (Original) The method of claim 12 wherein filling the hyperbaric chamber with gas comprises filling the hyperbaric chamber with a gas to establish a hyperbaric pressure of about 3 atmospheres absolute oxygen partial pressure or below.

16. (Currently Amended) A method for light and hyperbaric therapy comprising:

positioning a laser light therapy device outside a hyperbaric chamber and relative to a target area located within the hyperbaric chamber;

selecting at least one wavelength and dosage of laser light therapy;

filling the hyperbaric chamber with gas to establish a desired pressure within the hyperbaric chamber;

irradiating the target area with the at least one selected wavelength and dosage of laser light therapy, wherein a targeting mechanism allows positioning of the at least one selected wavelength and dosage of laser light therapy on the target area; and

imaging the target area.

17. (Previously Presented) The method of claim 16 further comprising documenting the performed laser light and hyperbaric therapy.

18. (Previously Presented) A computer program product comprising:

a medium readable by a computer, the computer readable medium having computer program code adapted to:

allow selection of at least one wavelength and dosage of light therapy;

initiate filling of a hyperbaric chamber with gas to establish a desired pressure within the hyperbaric chamber; and

initiate irradiation of a target area positioned within the hyperbaric chamber with the at least one selected wavelength and dosage of light therapy.

19. (Original) The computer program product of claim 18 further comprising computer program code adapted to image the target area.

20. (Original) The computer program product of claim 18 further comprising computer program code adapted to document the performed light and hyperbaric therapy.

21. (Currently Amended) A light and hyperbaric therapy device comprising:

a hyperbaric chamber; and

a light therapy device positioned outside the hyperbaric chamber and comprising:

a laser;

a power source coupled to the laser;

a user device coupled to the power source; [[and]]

a camera; and

a targeting mechanism;

wherein the light therapy device is adapted to:

emit one or more different wavelengths at a target area positioned within the hyperbaric chamber; and

allow light beams emitted from the laser to be repeatably positioned on the target area by imaging the target area using the camera, wherein the targeting mechanism allows positioning of the light beams on the target area.

22. (Previously Presented) The light and hyperbaric therapy device of claim 21 wherein the light therapy device is further adapted to allow a user to specify at least one of amplitude, frequency, duty cycle and duration of one or more power signals applied to the laser by the power source.

23. (Previously Presented) The light and hyperbaric therapy device of claim 21 wherein the light therapy device is further adapted to control the camera.

24. (Previously Presented) The light and hyperbaric therapy device of claim 21 further comprising one or more focusing devices for focusing light emitted from the laser onto the target area.

25. (Previously Presented) A therapy device comprising:

a hyperbaric chamber adapted to expose at least a target tissue area of a patient to a hyperbaric environment; and

a light therapy device including a therapeutic light source disposed within the hyperbaric chamber and adapted to expose the target tissue area of the patient to one or more doses of light energy while the target tissue area is within the hyperbaric chamber.

26. (Previously Presented) The therapy device of claim 25 wherein the light source includes an LED array adapted to emit

radiation having wavelengths within the range from about 350 to about 880 nanometers.

27. (Previously Presented) The therapy device of claim 25 further comprising one or more controllers adapted to control the hyperbaric chamber and the light therapy device so as to expose the target tissue area to one or more doses of light therapy and one or more doses of hyperbaric therapy.

28. (Previously Presented) The therapy device of claim 27 wherein the hyperbaric chamber and the light therapy device are adapted to allow at least a portion of the light therapy and hyperbaric therapy to be performed simultaneously.

29. (Previously Presented) The therapy device of claim 27 wherein the hyperbaric chamber and the light therapy device are adapted to allow the light therapy and hyperbaric therapy to be performed sequentially.